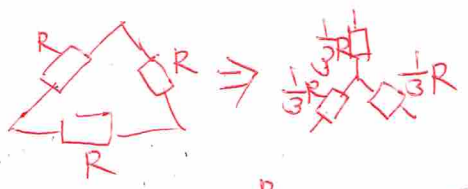
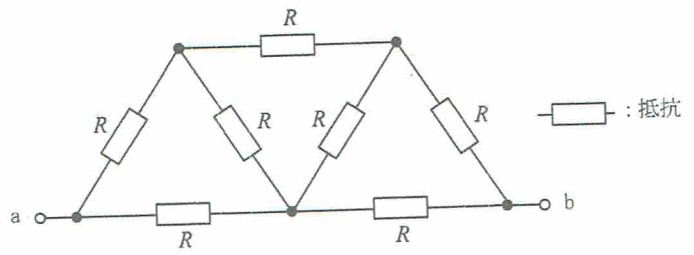
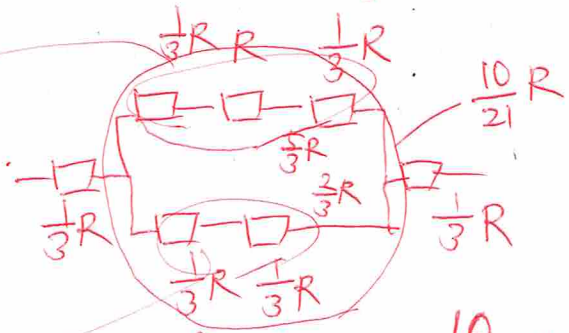
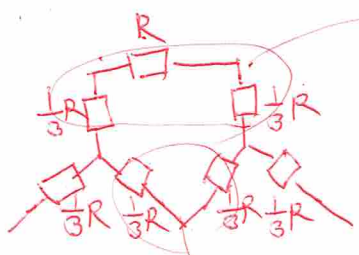


A - 3 図に示す回路において、端子 ab 間の合成抵抗の値として、正しいものを下の番号から選べ。

- 1 $\frac{2}{5}R [\Omega]$
- 2 $\frac{4}{5}R [\Omega]$
- 3 $\frac{6}{7}R [\Omega]$
- 4 $\frac{8}{7}R [\Omega]$
- 5 $\frac{10}{7}R [\Omega]$



$$\left(\frac{1}{3} + 1 + \frac{1}{3}\right)R = \frac{5}{3}R$$



$$\frac{\frac{5}{3} \times \frac{2}{3}}{\frac{5}{3} + \frac{2}{3}} = \frac{\frac{10}{9} \times 9}{\frac{7}{3} \times 3} = \frac{10}{7}R$$

$$\frac{1}{3}R + \frac{10}{21}R + \frac{1}{3}R = \frac{7}{21}R + \frac{10}{21}R + \frac{7}{21}R = \frac{24}{21}R = \frac{8}{7}R$$